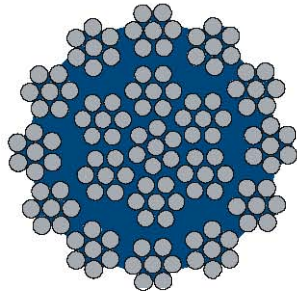




# HYFLEX 18



Hyflex 18

- Hyflex 18 is a high quality rotation resistant hoist rope.
- Good resistance to rotation verified by testing on the in-house torque/turn machine.
- Consistent performance.
- Fully lubricated in manufacture.
- Also available in fibre core construction.
- A sample of rope from each production batch is tested to destruction in order to confirm compliance with catalogue breaking force values.



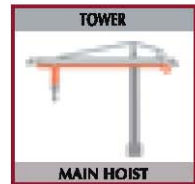
Standard Characteristics Hyflex 18

Standard Characteristics Hyflex 18		
Construction	18x7(12x7:6x7-1x7)	
Compacted	Yes	No
		◆
Tensile Grade N/mm <sup>2</sup>	1960	2160
	◆	◆
Finish	Bright	Galvanised
		◆
Lay Direction	Right Hand	Left Hand
	◆	
Lay Type	Ordinary	Langs
		◆
Average Fill Factor (%)	61.5	
Turn value at 20% of breaking force degrees/rope lay	5	
Nominal rope lay length (NRD = Nominal Rope Diameter)	6.25 x NRD	
Discard Criteria	Refer to ISO 4309:1990	



NOM. ROPE DIA. mm	APPROX. DIA ins.	APPROX. MASS kg/100m	MINIMUM BREAKING FORCE			
			GALVANISED & UNGALVANISED			
			ROPE GRADE			
			1960 N/mm <sup>2</sup>		2160 N/mm <sup>2</sup>	
			kN	tonnes	kN	tonnes
6		14.8	25.0	2.5	27.0	2.8
7		20.2	34.0	3.5	36.7	3.7
8	5/16	25.8	45.0	4.6	48.6	5.0
9		33.3	56.5	5.8	61.0	6.2
10		40.4	70.0	7.1	75.6	7.7
11	7/16	48.7	84.0	8.6	90.7	9.3
12		60.3	101	10.3	109	11.1
13	1/2	70.0	118	12.0	127	13.0
14		81.7	137	14.0	148	15.1
15		92.9	157	16.0	169	17.3
16	5/8	105	180	18.4	194	19.8
17		117	203	20.7	219	22.4
18		133	226	23.0	244	24.9
19	3/4	147	253	25.8	273	27.9
20		161	279	28.5	301	30.7
22	7/8	196	339	34.6	366	37.3

### Typical Applications



Note : For higher lifting heights, consideration should be given to using a 35x7 construction with improved rotational characteristics.

